

**IN THE CLAIMS:**

Claims 1, 3, 4, 7, and 8 have been amended. All of the pending claims 1 through 10 are presented below. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as amended.

1. (currently amended) Satellite system for shallow diving in open sea characterized by comprising a main vessel (2) provided with a dynamic positioning system, and with equipment to monitor a diving operation, to give assistance and orientation to divers (6); the main vessel (2) operates with at least one support vessel (3), said at least one support vessel (3) being connected to the main vessel by means of an umbilical line (5), said umbilical line having a positive buoyancy and said main vessel and said at least one support vessel together setting the divers (6) and a support team at a work location (4), at a safe distance from a propulsion system of the main vessel (2).
2. (cancelled)
3. (currently amended) Satellite system for shallow diving in open sea according to claim 1, characterized by wherein the main vessel (2) being is used as base for diving work.
4. (currently amended) Satellite system for shallow diving in open sea characterized by comprising a main vessel (2) provided with a dynamic positioning system, and with equipment to monitor a diving operation, to give assistance and orientation to the divers, the main vessel (2) operates with support vessels (3), the support vessels (3) being connected to the main vessel (2) by an umbilical line (5) and, said support vessels supporting a diving operation from a point at the surface of said open sea, above a work location, said main vessel (2) and said support vessels (3) together setting the divers (6) and a support team at a said work location (4), at a safe distance from a propulsion system of the main vessel (2).
5. (cancelled).

6. (cancelled)

7. (currently amended) Satellite system for shallow diving in open sea according to claim 1, characterized by wherein the umbilical line (5) being used for positioning the at least one support vessel (3) relative to the main vessel (2).

8. (currently amended) Satellite system for shallow diving in open sea comprising a main vessel provided with a dynamic positioning system, and with equipment to monitor a diving operation, to give assistance and orientation to divers; the main vessel operates with at least one support vessel, said at least one support vessel being connected to the main vessel by means of an umbilical line, and said main vessel and said at least one support vessel together setting the divers and a support team at a work location, at a safe distance from a propulsion system of the main vessel Satellite system for shallow-diving in open-sea according to claim 1, characterized by said at least one support vessel supporting a diving operation from a point at the surface of said open sea, above the work location (4).

9. (new) Satellite system for shallow diving in open sea according to claim 8, wherein the umbilical line is used for positioning the at least one support vessel relative to the main vessel.

10. (new) Satellite system for shallow diving in open sea according to claim 1, characterized by the main vessel being used as base for diving work.